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Date of Deposit: October 16, 2001

Attorney Docket No.: 24065-004CON

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and sole inventor of the subject matter (an original, first and joint inventor) which is claimed and for which a utility patent is sought on the invention entitled:

MUTATIONS ASSOCIATED WITH IRON DISORDERS

| | §365(b) of any period PCT Internation States listed bel | foreign application(s) for pate nal application designating at low and have also identified b | ent or inventor's certification least one country other below any foreign app | ficate, or §365 or than the Uni lication for pa | (a) of any ited tent or |
|------------------|---|---|---|---|-------------------------|
| | §365(b) of any period PCT Internation States listed bel | foreign application(s) for pate nal application designating at | ent or inventor's certification least one country other below any foreign app | ficate, or §365 or than the Uni lication for pa | (a) of any ited tent or |
| | 1 Holoby oldin 1 | oreign priority comments | | 7 3 | () () |
| | I hereby claim f | foreign priority benefits under | r Title 35. United State | es Code, §119 | (a)-(d) or |
| I ackn | owledge the duty ation in accordan | to disclose information which are with Title 37, Code of Fed | ch is material to the external Regulations, §1.5 | amination of t | this |
| I here specif | by state that I hav ication, including | re reviewed and understand the state of the claims, as amended by an | ne contents of the above ny amendment referre | ve-identified d to above. | |
| \boxtimes | is attached here | to. | | | |
| | was filed on bearing Attorne | | on-provisional applicat | tion U.S.S.N. | , |
| | | | | | |

I hereby claim the benefit under Title 35, United States Code, § 119(e) or §120 of any United States application(s), or §365(c) of any PCT International application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

| Application No. (U.S.S.N.) | Filing Date (dd/mm/yy) | Status (Patented, Pending, Abandoned, Expired) |
|----------------------------|------------------------|--|
| 09/277,457 | March 26, 1999 | Pending |
| 07/2/13/ | | |
| | | |

PCT International Applications designating the United States:

| PCT International Application No. | Filing Date | Status |
|-----------------------------------|-------------|--------|
| | | |

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

| Attorney or Agent | Registration No. | Attorney or Agent | Registration No. |
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| John A. Harre | 37,345 | Howard Susser | 33,556 |
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all of MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO PC, One Financial Center, Boston, Massachusetts 02111, as Applicant's attorneys with full power of substitution and revocation to take any and all action necessary with regard to the above-identified patent.

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Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. One Financial Center Boston, Massachusetts 02111

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or patent issued thereon.

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| Date |
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